

LANGLEY TECHNICAL SECTION

I. Wire Unit

1. Main Signal Center

- a. The preventive maintenance schedule for the month is current.
- b. The Selector Magnet Shield Project was temporarily halted because kits were not available due to the lack of funds at the end of the fiscal year.
- c. Three KW-7's were installed in the Washington Terminal Section using the AK-3 configuration and associated ASR's. This is the beginning of the program to replace all HW-19 equipment in the Signal Center.
- d. A work order was submitted to GSA to install power and overhead cable racks in the new Red Frame Room.
- e. [REDACTED] as given fourteen hours of HL-6 maintenance instruction at the R&D Lab.
- f. T.D.Y.

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- 1) Responded to a request from OC-AD to repair KW-7 equipment at the [REDACTED]
- 2) Technical assistance for KW-26 maintenance was provided in response to two calls from OC-SPS, [REDACTED]

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g. Installations

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- 1) New teletype equipment was installed for the FMSAC Machine Room move to Room 1D0031, Hqs. To facilitate this move, a fifty-two pair cable had to be pulled from the Signal Center and wired to a newly fabricated twenty-four circuit patch panel. Cut-over from the old facility will take place on 27 July.
- 2) Bureau of Weapons, Main Navy Building, KW-7/TWX installation has again been delayed by the Telephone Company. The installation date is now 2 August.

I. Wire Unit (Continued)

- 3) The HW-19 units at Finance Division, [REDACTED] and Finance Division, Headquarters Building were disconnected and tagged for pick-up.
- 4) Eight KW-26 Model "C" units were removed and replaced by Model "B" units. The "C" Models were shipped to OC-E/FTS for the 8-Pac Project.

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2. Trouble Reports

Troubles reported and corrected in the Washington Area are as follows:

a. Langley Signal Centers

- | | | |
|---|---|------------|
| 1) Cryptographic Equipment | - | 74 |
| 2) Teletype and Miscellaneous Equipment | - | <u>320</u> |
| TOTAL: | | 394 |

b. Outside Area Signal Centers

- | | | |
|---|---|-----------|
| 1) Cryptographic Equipment | - | 4 |
| 2) Teletype and Miscellaneous Equipment | | <u>17</u> |
| TOTAL: | | 21 |

II. Electronic Unit

1. KY-3 Secure Voice Program

a. General

Several problems relating to the tie-trunks on the automatic switch have developed this past month. OC-E/LTS verbally requested that the Telephone Company make some arrangements to check the trunk lines between State Department, White House and CIA.

b. Installation

Installed a KY-3 with two extensions for [REDACTED]
Room 1E4846, Hqs.

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II. Electronic Unit (Continued)

c. Relocations

Relocated a KY-3 from CC/S, Room 1A34C, Hqs., to Room GH-55, Hqs.

d. Eighty-six KY-3 sets are now operational. The following reflects the trouble-status for the month:

1)	KY-3 Set Troubles	-	31 each
2)	Distant End Troubles	-	6 each
3)	Operational Error	-	6 each
4)	Associated Equipment Trouble	-	5 each
5)	Telephone Company	-	17 each

TOTAL: 65 each

2. CIA Cifax System

Three troubles were reported and corrected. The low percentage of outages has been very encouraging this past reporting period. ||

3. Microwave System

System MR-20 alignments and PM checks were performed at the three locations. Two troubles were reported and corrected.

4. HY-2/KG-13 Headquarters/Saigon Secure Voice Circuit

FE Division conducted several live conferences on this circuit with very good results. Other than a few bad telephone line connections, the circuit has been trouble free. ||

5. KY-5

Six troubles were reported and corrected this past reporting period.

6. DCI/SO Very-High-Frequency Net

No troubles were reported this month. ||

OVERTIME

A total of one hundred and eleven hours of overtime was worked during this reporting period. ✓

*Low, in view of
Tech shortage*

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TSB/SUPPLY

1. As of 26 July 1966 approximately \$20,129 has been expended.

2. All stock records were screened and the "dead weight" items were either pulled for warehouse stock or disposed. A total of 181 line items were pulled with a quantity total of \$4,720.

3. We are having a container for teletype equipment (reperforator) vibration and drop tested at [REDACTED]

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TECHNICAL SECTION

Overtime -

1. Staff Employees 28 Hours.
2. Contract Employees 0 Hours.
3. Staff Employees donated time in excess of 70 hours.

T & I UNIT

1. Thirteen transceivers were channelized this month.
2. Thirty SBE-2A's have been accepted this month. [REDACTED] has not solved their Quality Control problem, but because of repeated checks by FTS technicians [REDACTED] has made acceptable units.
3. Partial checks have been made on the 8 PAC Units. Discrepancies and potential problem areas have been pointed out and discussed with OC-E/ESB.
4. Listed are some of the items of equipment processed this month:

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	<u>Accepted</u>	<u>Rejected</u>
Fifteen Northern Converters	14	1
Eighty-five G.E. Porta-Mobils	71	14
Twenty-nine Battery Chargers (Allocation 26)	29	0
Ten RT-49 Transmitters	0	10
Thirty-three Battery Supplies (Allocation 26)	33	0
Eighty-three KE-8E Keyers	72	11
Fifty-two Revere T-3000 Recorder/Reproducers	50	2
Seventy-eight CA/A-3 Cartridges	78	0
Sixty-three HG-48A Generators	62	1
Six National Radio HRO-500 Receivers	3	3
Thirty-four RR-49 Receivers	24	10
Thirty Motorola Transceivers	25	5
Fifteen Frederick Model 1200 Converters	15	0
Thirty-five AU-58 Operator Training Units	29	6
Six Collins 1805 Antenna Tuners	6	0
Nineteen Motorola Handie-Talkies	15	4

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GROUP 1
Excluded from automatic
downgrading and
declassification

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IN-PLANT INSPECTIONS

1. There were two trips to [REDACTED] in which thirty-six SBE-2A's, thirteen Tone Intelligence Systems, and one General Purpose Exciter were accepted.
2. There was one trip to [REDACTED] in which five LSSB-63-1A Exciters and thirty-one RSSB-62-1B Converters were accepted.

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ELECTRONIC/TELETYPE REHAB UNIT

1. The Electronic Technicians processed forty items of PTI equipment, thirty items on job orders, and ten items on repair requests.
2. Thirty-six items of teletype equipment were processed on receiving vouchers, fifty-one items on cargo vouchers, and five items of PTI equipment. Thirty-three items of equipment were major units.
3. Eighty-one PRC-10's have been processed from C-5 to C-1 stock.
4. Thirteen KW-26 units were modified and up-dated. The cabinets were sent to TMC, and all of the drawers were sent to [REDACTED] with one exception.

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ENGINEERING UNIT

1. Engineering difficulties with the [REDACTED] Two Tone Generator is delaying delivery of Agency units on order. Delivery date is tentatively set for 15 August.
2. The KT-6 Installation Tool Kit is being assembled and will be available by mid-August.
3. The majority of the month was spent on the [REDACTED] Exciter problem.

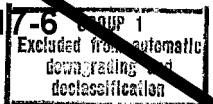
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CALIBRATION UNIT

1. Twenty pieces of test equipment were processed and returned to service. In addition, twenty-one new pieces of test equipment were accepted for the shop, and three pieces of equipment were checked for the cargo section of T & I.

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2. Our VLF Receiver/Antenna has a problem. Water was found in the Antenna Loop, but even after a dry-out period the system did not work. The units are now at the H.P. representative's shop.
3. Two Marconi FM Signal Generators are now in the process of receiving a major overhaul at FTS.

MECHANICAL UNIT

1. Completed modification and redesign of the shop generator tester.
2. Installed a hoist above the Ultra-Sonic Cleaner [REDACTED]
3. Measured panel clearances on seventy Zero racks. Ten racks were rejected because of clearance problems.
4. Made an adapter for use with the Delco 5300. The unit was commented on, and it was requested that FTS make two more units for evaluation.

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POWER UNIT

1. All twenty-five ONAN 25 KW generators have been modified and released for issue.
2. Checked two jeeps and various items of a routine nature this month.

CRYSTAL LAB

Totals	Requisitions	Crystals
New Orders	51	5,323
Orders Completed	41	2,722
Backlog	3	431
Due In	18	6,228

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[REDACTED] DEPOT

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Mr. [REDACTED] representative, is on annual leave; therefore, no monthly voucher totals are available.

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